L15 ANSWER 54 OF 101 CA COPYRIGHT 2002 ACS
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TI Complementation of class II A alleles in the immune response to (GluLysTyr) polymers
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AB The proliferative T cell responses to poly(GluLysTyr) (GLT) and poly(GluLysPhe) (GLPhe) are restricted by the E.alpha.E.beta. class II MHC mol. (E) in most responder mouse strains. Some nonresponder strains that carry responder E.beta., but cannot express cell surface E mols., can complement with other nonresponder strains that provide the missing E.alpha. chain needed for the expression of E mols. and for resonsiveness to GLT and GLPhe. Here, another type of complementation is described between 2 E-nonexpressor haplotypes, H-2fand H-2s, which result in E-nonexpressor F1 hybrids, which are responders to GLT. The restriction element involved in this response is an Af/Ashybrid mol. The data support the hypothesis that conformational determinants resulting from the free assocn. of .alpha. and .beta. chains in heterozygotes can increase the immune potential of the individual.